SONY®

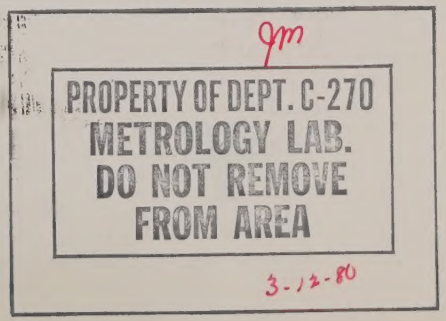
VIDEOCASSETTE RECORDER Betamax®

SLO-323

READY-REFERENCE GUIDE

This ready-reference guide supplements the operating instructions with illustrated step-by-step procedures for everyday use of the SLO-323.
For connections, use of auxiliary controls, and additional functions, refer to the operating instructions.

Prior to use
Recording
Playback
Timer recording
Timer playback
Dubbing audio
Operational check list



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PRIOR TO USE

IMPORTANT REMINDERS

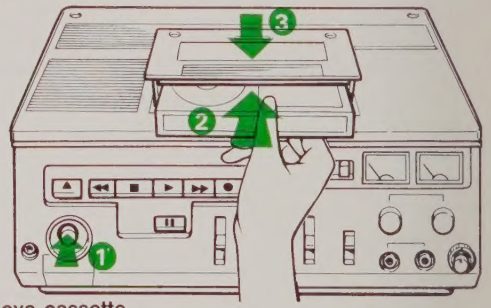
- To operate the system using this guide:

(a) Make preparatory settings shown at ● in operating procedures.
(b) Operate the SLO-323 and connected equipment by following the numbers circled in red ●.

- Before making a recording, check that the safety tab (see page 9 of the operating instructions) at the bottom of the cassette has not been removed.
- Since the full width of tape is used for recording picture and sound, the tape cannot be used in the reverse direction.
- To advance the tape rapidly, press the FF button.
- After recording, press the REW button for later viewing.
- To view the picture on a TV receiver, turn the channel selector on the TV to the operating channel of the RF unit (channel 3 or 4) and carefully adjust fine tuning. When the machine is used with a video monitor connected to the TV connector, or VIDEO OUT and LINE OUT connectors, the channel selector need not be set.
- After use, turn off the power.
- For playback on a TV receiver, set the VHF OUTPUT selector to VTR. When the SLO-323 is not in use, the TV set may be operated in the usual manner by setting the VHF OUTPUT selector to the ANT position.

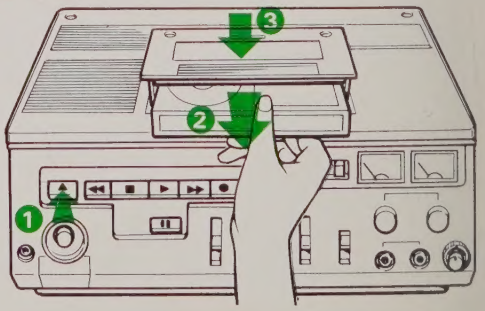
To install cassette

1. Press POWER. The cassette compartment will rise without pressing EJECT when a cassette is not installed.
2. Insert cassette.
3. Press lid down.

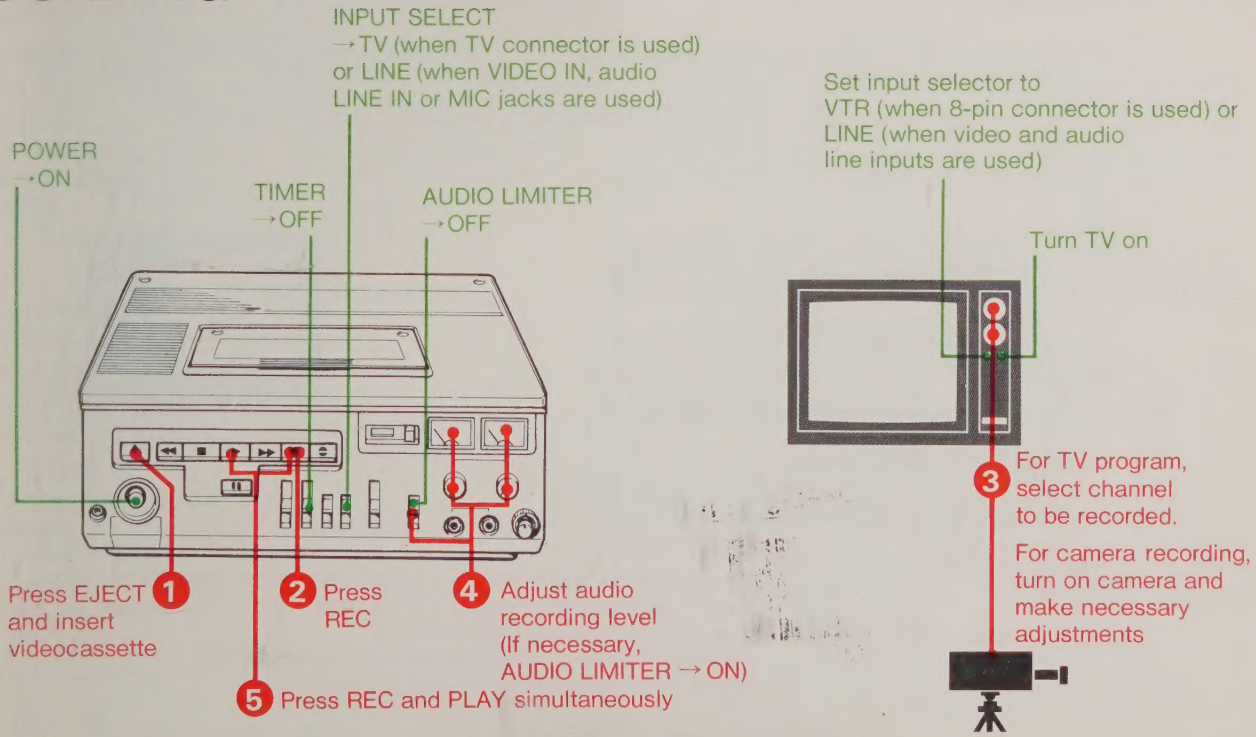


To remove cassette

1. Press EJECT (with power on).
2. Remove cassette.
3. Press lid down.



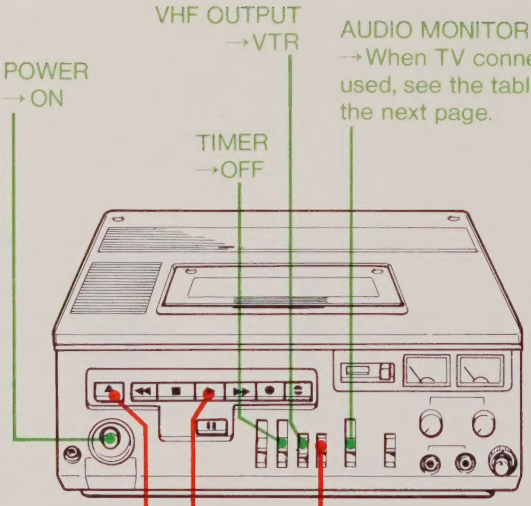
RECORDING

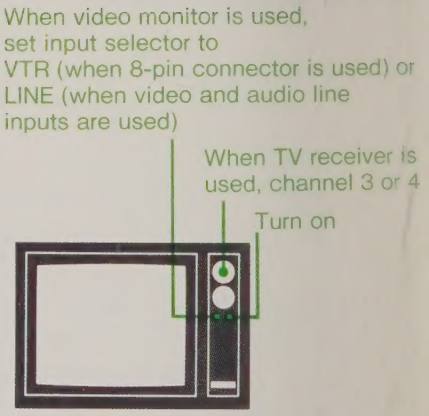

INPUT SELECT
→TV (when TV connector is used)
or LINE (when VIDEO IN, audio
LINE IN or MIC jacks are used)
POWER
→ON
TIMER
→OFF
AUDIO LIMITER
→OFF
Set input selector to
VTR (when 8-pin connector is used) or
LINE (when video and audio
line inputs are used)
Turn TV on
Press EJECT 1 and insert videocassette
2 Press REC
4 Adjust audio recording level (If necessary, AUDIO LIMITER → ON)
5 Press REC and PLAY simultaneously
3 For TV program, select channel to be recorded.
For camera recording, turn on camera and make necessary adjustments

Caution

Television programs, films, video tapes and other materials may be copyrighted. Unauthorized recording of such material may be contrary to the provisions of the copyright laws.

PLAYBACK

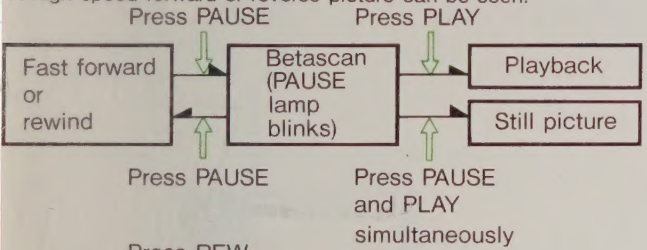

VHF OUTPUT
→VTR
AUDIO MONITOR
→When TV connector is used, see the table on the next page.
POWER
→ON
TIMER
→OFF
Press EJECT and insert recorded videocassette
1
2
INPUT SELECT
To operate the recorder with an external sync system, set the switch to the position (TV or LINE) where the sync signal is connected (for other playback, set the switch to the position where no video input signal is connected)*
3
Press PLAY


When video monitor is used, set input selector to VTR (when 8-pin connector is used) or LINE (when video and audio line inputs are used)
When TV receiver is used, channel 3 or 4
Turn on

*When the video monitor is connected with the channel selector set to the inactive channel, and the INPUT SELECT switch is set to the position where the monitor is connected, the synchronization will not be kept.

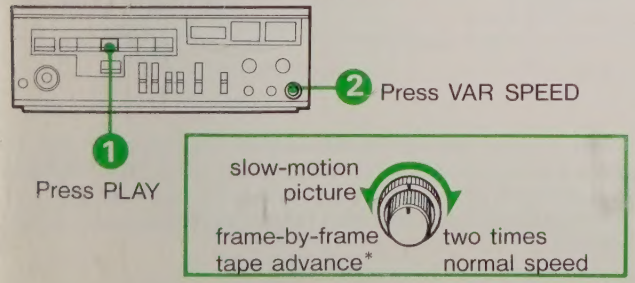
BETASCAN

A high-speed forward or reverse picture can be seen.



PLAYBACK SPEED ADJUSTMENT

During playback, press the VAR SPEED control and turn it clockwise or counterclockwise as shown below.



*Picture advances frame-by-frame every 2 seconds.

- To return the normal speed, press the VAR SPEED control again.
- In the two times normal speed picture, a noise band may sometimes appear. In this case, turn the TRACKING control so that the noise band goes outside the screen. When two times normal speed playback finishes, return the control to the center detent position.

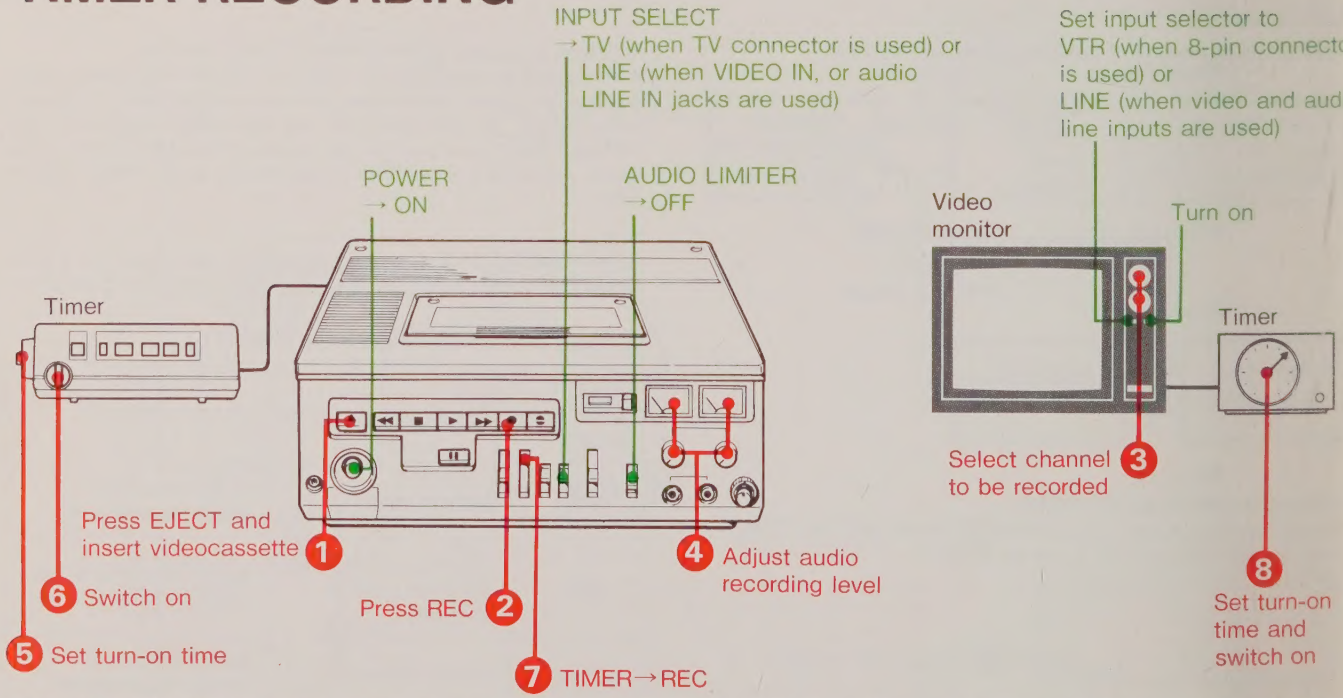
Note

In the Betascan or slow-motion picture, a noise band or a double image may appear, even though Betascan is functioning correctly.

SETTING OF THE AUDIO MONITOR SWITCH

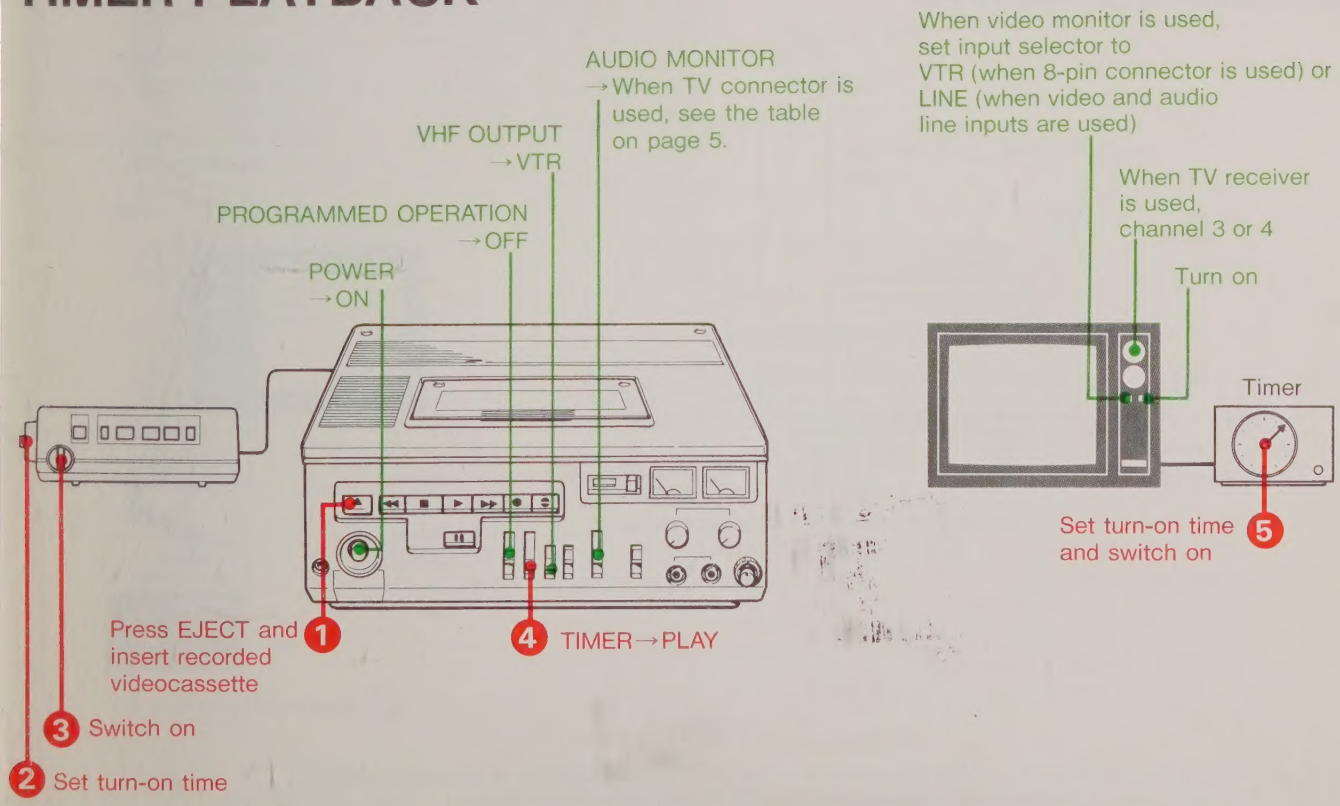
AUDIO MONITOR setting	TV connector	Headphones jack
CH-1	Audio channel 1	Audio channel 1 in both headphones
MIX	mixed sound of audio channels 1 and 2 (monaural)	Audio channel 1 in left Audio channel 2 in right
CH-2	Audio channel 2	Audio channel 2 in both headphones

TIMER RECORDING

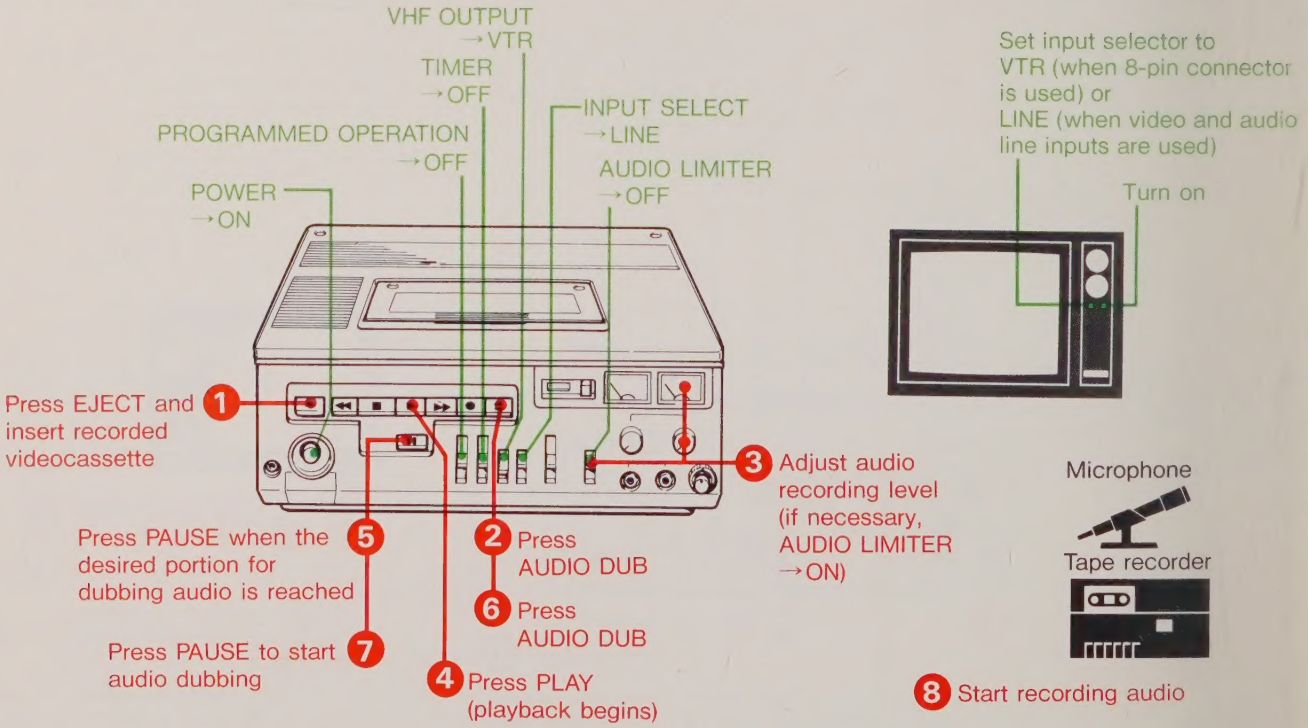


- Do not exceed the power rating of the timer receptacles. The optional Sony Digital Timer DT-32 (for USA) or DT-30 (for Canada) may be used for the recorder, but not for the TV. It is recommended to use a separate timer of sufficient power capacity for the TV.
- When TIMER switch is set to REC, the EJECT or REW button does not function.
- After the tape has run out, the recorder will rewind the tape for about 2 seconds and shut off automatically. When TIMER selector is switched to OFF, the tape is automatically fully rewound.
- For details on the timer, refer to the instruction manual supplied with it.

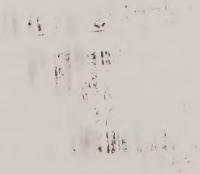
TIMER PLAYBACK


AUDIO MONITOR
→When TV connector is used, see the table on page 5.
VHF OUTPUT
→VTR
PROGRAMMED OPERATION
→OFF
POWER
→ON
When video monitor is used, set input selector to VTR (when 8-pin connector is used) or LINE (when video and audio line inputs are used)
When TV receiver is used, channel 3 or 4
Turn on
Timer
Press EJECT and insert recorded videocassette
1
2 Set turn-on time
3 Switch on
4 TIMER→PLAY
Set turn-on time and switch on
5

DUBBING AUDIO



- When dubbing from the beginning of the tape, press the PLAY and AUDIO DUB buttons simultaneously.
- When the microphone is connected, the source from the LINE IN jack will not be recorded. (The MIC jacks have priority over the LINE IN jacks.)



OPERATIONAL CHECK LIST

Many apparent malfunctions may be caused by a mis-set control that has been overlooked, or some other equally simple cause. Should any difficulty arise in operation, check through this list of symptoms and possible causes. Should the difficulty persist, unplug the set and contact the dealer from whom this unit was purchased, or a local Sony authorized service station.

Symptom	Possible cause
No record or playback	• Connections are not made correctly. • In recording, INPUT SELECT is not switched properly. • In recording, safety tab has been removed from the cassette. • Cassette not loaded. • In TV recording, microphone is not disconnected. • The recorder is not plugged into a live outlet. • The recorder is connected to a timer that is OFF. • Pause function is activated. • Check AUTO OFF lamp.
Snow or streaks in the playback picture	• If a TV receiver is being used for playback, check that the channel selector is set to the operating channel of the RF unit. • TV fine tuning is not set properly. • Tracking error (see "TRACKING ADJUSTMENT", page 13, in instruction booklet.) • Video-heads require cleaning. Consult your dealer or Sony service station. • Snow may appear in a Betascan or slow-motion when unit is operating correctly.
Rewind, forward or fast-forward mode does not function.	• Tape is at either end of its travel.
No camera/microphone recording	• Connections are not made correctly. • Tape is at either end of its travel. • The recorder is not plugged into a live outlet. • The INPUT SELECT switch is not set to LINE.
Acoustic feedback (whistle-like sound) in microphone recording	• Microphone is too close to the TV. • TV volume is turned too high.

Symptom	Possible cause
No audio dubbing	• The audio sources are connected to channel 1 (LINE IN CH-1 or MIC CH-1 jack).
Still picture is unstable	• Turn the V LOCK ADJUST screw on the rear so that the picture will be stable.
The tape automatically stops and does not move any more even though any function button is pressed.	• Change the tape with a new one.
The picture in the Betascan mode is unstable.	• Adjust the vertical and horizontal hold controls on the video monitor.

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